

Rakhi Tiwari

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

87
citations

6
h-index

8
g-index

23
ext. papers

158
ext. citations

2.1
avg, IF

3.51
L-index

#	Paper	IF	Citations
19	Analysis of wave propagation in the presence of a continuous line heat source under heat transfer with memory dependent derivatives. <i>Mathematics and Mechanics of Solids</i> , 2018 , 23, 820-834	2.3	17
18	On electromagneto-thermoelastic plane waves under Green-Naghdi theory of thermoelasticity-II. <i>Journal of Thermal Stresses</i> , 2017 , 40, 1040-1062	2.2	15
17	Analysis of a magneto-thermoelastic problem in a piezoelectric medium using the non-local memory-dependent heat conduction theory involving three phase lags. <i>Mechanics of Time-Dependent Materials</i> , 1	1.2	8
16	Analysis of plane wave propagation under the purview of three phase lag theory of thermoelasticity with non-local effect. <i>European Journal of Mechanics, A/Solids</i> , 2021 , 88, 104235	3.7	8
15	Memory response on magneto-thermoelastic vibrations on a viscoelastic micro-beam exposed to a laser pulse heat source. <i>Applied Mathematical Modelling</i> , 2021 , 99, 328-345	4.5	8
14	Significance of memory-dependent derivative approach for the analysis of thermoelastic damping in micromechanical resonators. <i>Mechanics of Time-Dependent Materials</i> , 2020 , 1	1.2	6
13	Investigation of thermal excitation induced by laser pulses and thermal shock in the half space medium with variable thermal conductivity. <i>Waves in Random and Complex Media</i> , 2020 , 1-19	1.9	5
12	On harmonic plane wave propagation under fractional order thermoelasticity: an analysis of fractional order heat conduction equation. <i>Mathematics and Mechanics of Solids</i> , 2017 , 22, 782-797	2.3	4
11	Magneto-thermoelastic wave propagation in a finitely conducting medium: A comparative study for three types of thermoelasticity I, II, and III. <i>Journal of Thermal Stresses</i> , 1-22	2.2	4
10	Magneto-thermoelastic excitation induced by a thermal shock: a study under the purview of three phase lag theory. <i>Waves in Random and Complex Media</i> , 2020 , 1-22	1.9	3
9	Perusal of flexoelectric effect with deformed interface in distinct (PZT-7A, PZT-5A, PZT-6B, PZT-4, PZT-2) piezoelectric materials. <i>Waves in Random and Complex Media</i> , 1-18	1.9	2
8	Investigation on Magneto-thermoelastic Disturbances Induced by Thermal Shock in an Elastic Half Space Having Finite Conductivity under Dual Phase-lag Heat Conduction. <i>Computational Methods in Science and Technology</i> , 2016 , 22, 201-215	0.6	2
7	Magneto-thermoelastic interactions in generalized thermoelastic half-space for varying thermal and electrical conductivity. <i>Waves in Random and Complex Media</i> , 1-17	1.9	2
6	Characterization of thermal damage of skin tissue subjected to moving heat source in the purview of dual phase lag theory with memory-dependent derivative. <i>Waves in Random and Complex Media</i> , 1-18	1.9	1
5	Modeling of the Liouville-Green method to approximate the mechanical waves in functionally graded and piezo material with a comparative study. <i>Waves in Random and Complex Media</i> , 1-22	1.9	1
4	Thermoelastic vibrations of nano-beam with varying axial load and ramp type heating under the purview of Moore-Gibson-Thompson generalized theory of thermoelasticity. <i>Applied Physics A: Materials Science and Processing</i> , 2022 , 128, 1	2.6	0
3	Non-local effect on quality factor of micro-mechanical resonator under the purview of three-phase-lag thermoelasticity with memory-dependent derivative. <i>Applied Physics A: Materials Science and Processing</i> , 2022 , 128, 1	2.6	0

2	Analysis of magnetic field effect in micro-beam resonators at distinct boundary conditions. <i>Waves in Random and Complex Media</i> ,1-17	1.9	0
1	Analysis of phase lag effect in generalized magneto thermoelasticity with moving heat source. <i>Waves in Random and Complex Media</i> ,1-18	1.9	